



Unit 3 Lesson 2

- 1 Brittany rode her bicycle 4.5 miles in 30 minutes. Brandon rode his bicycle 7 miles in 45 minutes. Based on these rates, which statement is true?
- A Brittany's average speed was $\frac{1}{3}$ mile per hour faster than Brandon's average speed.
- B Brandon's average speed was $\frac{1}{3}$ mile per hour faster than Brittany's average speed.
- C Brittany's average speed was $\frac{3}{20}$ mile per minute slower than Brandon's average speed.
- D Brandon's average speed was $\frac{3}{20}$ mile per minute slower than Brittany's average speed.
- 2 Milanee purchased 6 cans of soda for \$2.88. Which of the following does NOT represent the same price per can?
- A 8 cans of soda for \$3.84
- B 12 cans of soda for \$5.76
- C 15 cans of soda for \$7.35
- D 36 cans of soda for \$17.28
- 3 Tiffany works at a bank and has determined that 2 out of every 35 nickels she counts are buffalo nickels. Which proportion could Tiffany use to determine the number of buffalo nickels in the bank's inventory of 2,000 nickels?
- A $\frac{35}{2} = \frac{x}{2000}$
- B $\frac{2}{35} = \frac{2000}{x}$
- C $\frac{2}{2000} = \frac{x}{35}$
- D $\frac{2}{35} = \frac{x}{2000}$
- 4 Jeff is helping to put a new roof on his father's house. He can replace 4 roofing shingles every 10 minutes. How many roofing shingles can Jeff replace in 5 hours?
- A 19 roofing shingles
- B 24 roofing shingles
- C 100 roofing shingles
- D 120 roofing shingles